

AMENDMENTS TO THE SPECIFICATION

Please delete the paragraph found at page 2, line 11, as previously amended in the preliminary amendment filed July 19, 2004, and substitute the following:

U.S. Patent Application Serial No. 09/598,934 entitled “Pad Detection”, now issued as U.S. Patent No. 6,724,814, “PAD and CODEC Detection”, April 20, 2004;

Please delete the paragraph on page 11, lines 12-19, as previously amended in the preliminary amendment filed July 19, 2004, and insert the following in place thereof:

Pad gain may be detected by any one of a number of techniques, including the technique disclosed in Provisional U.S. Patent Application Serial No. 60/140,705 filed June 24, 1999 and in co-pending U.S. Patent Application 09/598,934 entitled “Pad Detection”, now issued as U.S. Patent No. 6,724,814, “PAD and CODEC Detection”, April 20, 2004, also claiming priority from Provisional U.S. Patent Application Serial No. 60/140,705. Digital PAD is one kind of digital power loss measured in dB.

Please delete the paragraph on page 12, lines 1-7, as previously amended in the preliminary amendment filed July 19, 2004, and insert the following in place thereof:

There are a limited number of known digital PADs, (e.g. 0dB, 3dB, 3.5 dB, 6db and 8dB). Once the amount of digital PAD is known, several typical constellation points may be pre-calculated independently of RBS. Then digital loop (PAD information) may be determined, using a matching pursuit method. A similar but different approach is disclosed in proposed in Application Serial No. 09/598,934 entitled “Pad Detection”, now issued as U.S. Patent No. 6,724,814, “PAD and CODEC Detection”, April 20, 2004.

Please delete the paragraph on page 15, lines 11-16, as previously amended in the preliminary amendment filed July 19, 2004, and insert the following in place thereof:

½RBS detection is disclosed in more detail in Provisional U.S. Patent Application Serial No. 60/140,705 file June 24, 1999 and in co-pending U.S. Patent Application 09/598,934 entitled “Pad Detection”, now issued as U.S. Patent No. 6,724,814, “PAD and CODEC Detection”, April 20, 2004, also claiming priority from Provisional U.S. Patent Application Serial No. 60/140,705.